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IAP20 Rec'd PCT/PTO 21 DEC 2005ABSTRACT OF THE DISCLOSUREIMPROVED SCREW CLOSING CAP

The closing cap (1), designed to cooperate with a neck (5) of a receptacle, the said neck (5) forming a mouth lip (50) on its upper part and comprising an outer thread (52) on its sidewall and a recessed part 5 (53) on which the said cap (1) will be crimped (1), comprises a) an outer shell (2) typically including an outer head and an outer skirt, b) an insert (3), typically made of plastic, the said insert (3), contained in the said shell (2) and fixed to the said 10 shell (2), comprising an inner head (30) and an inner skirt (31) provided with an inner thread (33) designed to cooperate with the outer thread (52) of the said neck (5), and c) a seal (4) typically forming an add-on part fixed to the said insert, the said seal (4) 15 comprising a central part (40) part and a peripheral part or edge (41), characterised in that the said insert (3) comprises a means (6) of radially compressing the said seal (4) in contact with the said neck (5), such that when the said closing cap (1) is 20 screwed to the said neck (5), the said edge (41) is compressed radially between the said insert (3) and the said neck (5).

Advantages: the seal and the opening torque of the said cap (1) are to a large extent independent of the 25 axial position of the said cap (1) with respect to the said neck (5).

FIG. 2c